

Frequency Mixer

MCA-19FH+

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=90MHz (dB)		
		@LO (dBm)		
		+14	+17	+20
1440.0	1350.0	12.38	10.56	9.45
1480.0	1390.0	10.72	9.44	9.07
1520.0	1430.0	10.53	9.30	8.70
1560.0	1470.0	9.94	8.88	8.58
1600.0	1510.0	9.27	8.78	9.00
1640.0	1550.0	8.56	7.81	7.54
1680.0	1590.0	7.95	7.50	7.36
1720.0	1630.0	7.61	7.36	7.30
1760.0	1670.0	7.38	7.24	7.22
1800.0	1710.0	7.30	7.26	7.28
1840.0	1750.0	7.34	7.38	7.48
1880.0	1790.0	7.26	7.27	7.36
1920.0	1830.0	7.37	7.38	7.40
1960.0	1870.0	7.30	7.33	7.39
2000.0	1910.0	7.40	7.36	7.38
2040.0	1950.0	7.68	7.54	7.46
2080.0	1990.0	7.76	7.63	7.56
2110.0	2020.0	7.98	7.84	7.79
2150.0	2060.0	7.99	7.80	7.73
2180.0	2090.0	8.00	7.77	7.69
2220.0	2130.0	8.36	8.01	7.83
2250.0	2160.0	8.33	7.97	7.80
2290.0	2200.0	8.60	8.24	8.09
2320.0	2230.0	8.88	8.49	8.38
2360.0	2270.0	9.00	8.64	8.55
2390.0	2300.0	9.44	8.85	8.68
2430.0	2340.0	9.64	8.87	8.62
2460.0	2370.0	9.50	8.78	8.55
2500.0	2410.0	10.10	9.14	8.75
2530.0	2440.0	10.04	9.08	8.70
2570.0	2480.0	10.09	9.11	8.69
2600.0	2510.0	10.51	9.42	8.89
2640.0	2550.0	10.15	9.22	8.75
2670.0	2580.0	10.38	9.39	8.89
2710.0	2620.0	10.76	9.64	9.03
2740.0	2650.0	10.46	9.45	8.93
2780.0	2690.0	10.88	9.77	9.19
2810.0	2720.0	10.90	9.84	9.28
2850.0	2760.0	10.80	9.79	9.36
2880.0	2790.0	11.33	10.24	9.75

RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm)		
		@LO (dBm)		
		+14	+17	+20
1440.0	1350.0	18.31	16.62	16.58
1480.0	1390.0	16.51	16.56	18.38
1520.0	1430.0	17.48	19.78	23.82
1560.0	1470.0	22.01	26.79	26.78
1600.0	1510.0	24.82	27.26	25.99
1640.0	1550.0	23.04	22.57	24.82
1680.0	1590.0	22.26	24.32	28.29
1720.0	1630.0	22.68	26.24	30.65
1760.0	1670.0	25.41	30.20	33.14
1800.0	1710.0	27.44	32.88	36.10
1840.0	1750.0	31.45	36.16	33.34
1880.0	1790.0	32.64	36.06	32.02
1920.0	1830.0	33.29	36.02	34.22
1960.0	1870.0	31.93	34.31	37.31
2000.0	1910.0	29.47	33.02	35.79
2040.0	1950.0	26.54	32.36	32.10
2080.0	1990.0	24.90	29.32	35.38
2110.0	2020.0	24.11	27.42	32.91
2150.0	2060.0	24.97	27.05	30.37
2180.0	2090.0	25.96	27.22	29.23
2220.0	2130.0	26.30	28.44	29.42
2250.0	2160.0	25.08	27.80	29.47
2290.0	2200.0	24.02	28.50	31.71
2320.0	2230.0	23.73	27.11	29.88
2360.0	2270.0	23.60	24.72	27.42
2390.0	2300.0	21.94	23.18	27.61
2430.0	2340.0	21.33	23.13	27.80
2460.0	2370.0	21.23	23.47	28.09
2500.0	2410.0	20.98	22.57	26.91
2530.0	2440.0	20.85	22.31	26.72
2570.0	2480.0	19.79	21.59	26.20
2600.0	2510.0	19.16	21.16	25.71
2640.0	2550.0	19.64	21.82	25.87
2670.0	2580.0	19.94	21.91	25.49
2710.0	2620.0	20.12	21.69	24.56
2740.0	2650.0	20.58	21.97	25.96
2780.0	2690.0	20.06	21.77	26.06
2810.0	2720.0	20.29	22.13	26.62
2850.0	2760.0	19.94	22.79	28.01
2880.0	2790.0	19.43	22.67	27.68

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+17dBm (dB)		
		@LO (dBm)		
		+14	+17	+20
1440.0	1350.0	2.55	2.74	2.73
1480.0	1390.0	2.61	2.26	1.59
1520.0	1430.0	1.99	1.75	1.26
1560.0	1470.0	1.55	1.33	0.78
1600.0	1510.0	1.45	0.82	0.02
1640.0	1550.0	1.34	1.16	0.85
1680.0	1590.0	1.21	0.91	0.59
1720.0	1630.0	1.18	0.75	0.40
1760.0	1670.0	0.82	0.41	0.22
1800.0	1710.0	0.60	0.27	0.15
1840.0	1750.0	0.34	0.16	0.17
1880.0	1790.0	0.29	0.15	0.15
1920.0	1830.0	0.28	0.16	0.16
1960.0	1870.0	0.39	0.21	0.14
2000.0	1910.0	0.46	0.25	0.15
2040.0	1950.0	0.48	0.24	0.18
2080.0	1990.0	0.54	0.22	0.14
2110.0	2020.0	0.73	0.31	0.15
2150.0	2060.0	0.88	0.42	0.19
2180.0	2090.0	1.10	0.54	0.26
2220.0	2130.0	1.53	0.85	0.44
2250.0	2160.0	1.66	0.97	0.50
2290.0	2200.0	1.70	1.02	0.46
2320.0	2230.0	1.66	1.08	0.53
2360.0	2270.0	1.48	1.01	0.59
2390.0	2300.0	1.46	1.14	0.73
2430.0	2340.0	1.31	1.10	0.75
2460.0	2370.0	1.29	1.05	0.71
2500.0	2410.0	1.18	1.04	0.81
2530.0	2440.0	1.09	1.00	0.80
2570.0	2480.0	0.97	0.98	0.79
2600.0	2510.0	0.90	0.96	0.80
2640.0	2550.0	1.01	0.94	0.71
2670.0	2580.0	0.87	0.87	0.68
2710.0	2620.0	0.75	0.81	0.68
2740.0	2650.0	0.90	0.87	0.65
2780.0	2690.0	0.80	0.80	0.61
2810.0	2720.0	0.76	0.74	0.57
2850.0	2760.0	0.79	0.72	0.52
2880.0	2790.0	0.66	0.69	0.51

Frequency Mixer

MCA-19FH+

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1880MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1839.9MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1920.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+17			+17			+17
450.0	1430.0	10.40	10.1	1850.0	7.47	470.1	1450.0	10.21
427.6	1452.4	10.01	70.1	1910.0	7.16	460.1	1460.0	10.07
405.3	1474.7	9.74	110.1	1950.0	7.21	450.1	1470.0	10.12
382.9	1497.1	10.03	170.1	2010.0	7.31	440.1	1480.0	9.74
360.5	1519.5	9.22	210.1	2050.0	7.47	430.1	1490.0	9.90
338.1	1541.9	8.54	270.1	2110.0	7.81	420.1	1500.0	10.13
315.8	1564.2	8.19	310.1	2150.0	8.02	410.1	1510.0	9.84
293.4	1586.6	7.99	370.1	2210.0	8.27	400.1	1520.0	9.08
271.0	1609.0	7.84	410.1	2250.0	8.48	390.1	1530.0	8.84
248.6	1631.4	7.77	470.1	2310.0	8.88	380.1	1540.0	8.73
226.3	1653.7	7.65	510.1	2350.0	8.96	370.1	1550.0	8.56
203.9	1676.1	7.52	570.1	2410.0	9.33	360.1	1560.0	8.47
181.5	1698.5	7.44	610.1	2450.0	9.06	350.1	1570.0	8.32
159.2	1720.8	7.40	670.1	2510.0	9.15	340.1	1580.0	8.27
136.8	1743.2	7.44	710.1	2550.0	9.15	330.1	1590.0	8.16
114.4	1765.6	7.42	770.1	2610.0	9.79	320.1	1600.0	8.13
92.0	1788.0	7.30	810.1	2650.0	9.76	310.1	1610.0	8.07
69.7	1810.3	7.18	870.1	2710.0	9.78	300.1	1620.0	8.03
47.3	1832.7	7.17	910.1	2750.0	9.48	290.1	1630.0	7.96
24.9	1855.1	7.18	970.1	2810.0	9.38	280.1	1640.0	7.91
10.0	1890.0	7.38	1010.1	2850.0	9.18	270.1	1650.0	7.86
107.0	1987.0	7.26	1070.1	2910.0	9.31	260.1	1660.0	7.80
204.0	2084.0	7.60	1110.1	2950.0	9.17	250.1	1670.0	7.77
301.0	2181.0	8.09	1170.1	3010.0	9.26	240.1	1680.0	7.71
398.0	2278.0	8.64	1210.1	3050.0	9.19	230.1	1690.0	7.72
495.0	2375.0	8.97	1270.1	3110.0	9.31	220.1	1700.0	7.68
592.0	2472.0	9.05	1310.1	3150.0	9.18	200.1	1720.0	7.64
689.0	2569.0	9.19	1370.1	3210.0	8.87	190.1	1730.0	7.69
786.0	2666.0	9.78	1410.1	3250.0	8.75	170.1	1750.0	7.66
883.0	2763.0	9.47	1470.1	3310.0	8.70	160.1	1760.0	7.58
980.0	2860.0	9.23	1510.1	3350.0	9.05	140.1	1780.0	7.53
1077.0	2957.0	9.20	1570.1	3410.0	9.27	130.1	1790.0	7.55
1174.0	3054.0	9.21	1610.1	3450.0	8.96	110.1	1810.0	7.45
1271.0	3151.0	9.11	1670.1	3510.0	8.81	100.1	1820.0	7.38
1400.3	3280.3	8.83	1710.1	3550.0	8.84	80.1	1840.0	7.40
1497.3	3377.3	9.49	1770.1	3610.0	8.83	70.1	1850.0	7.37
1626.7	3506.7	8.76	1810.1	3650.0	9.04	50.1	1870.0	7.29
1723.7	3603.7	8.76	1870.1	3710.0	9.17	40.1	1880.0	7.27
1853.0	3733.0	9.23	1910.1	3750.0	9.34	20.1	1900.0	7.22
1950.0	3830.0	10.06	1970.1	3810.0	10.05	10.1	1910.0	7.44

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Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+14	+17	+20	+14	+17	+20
1350.0	27.22	28.20	28.24	24.04	24.40	24.87
1390.0	31.08	30.82	29.80	24.92	25.68	26.56
1430.0	33.21	33.06	32.31	26.07	27.44	28.68
1470.0	35.16	36.21	35.40	27.87	29.99	31.33
1510.0	36.03	35.28	35.09	28.89	30.79	32.04
1550.0	37.37	37.07	36.73	29.82	31.76	33.20
1590.0	38.52	38.12	37.90	31.09	32.60	33.55
1630.0	39.57	39.20	39.03	31.66	32.71	33.21
1670.0	40.49	40.32	40.34	31.68	31.99	32.09
1710.0	45.48	45.94	46.87	30.37	30.43	30.38
1750.0	44.01	43.45	42.81	29.35	29.09	28.89
1790.0	41.07	40.37	39.66	29.30	29.15	29.04
1830.0	41.22	40.96	40.60	29.89	30.03	30.06
1870.0	41.73	41.45	41.12	31.59	31.90	32.07
1910.0	42.67	42.19	42.15	32.99	33.24	33.63
1950.0	43.03	42.58	42.51	33.60	33.70	34.13
1990.0	43.28	42.79	42.77	33.63	33.49	33.77
2020.0	43.22	42.74	42.53	33.56	33.32	33.35
2060.0	43.03	42.60	42.28	33.85	33.60	33.46
2090.0	43.22	42.68	42.40	33.96	33.56	33.38
2130.0	42.88	42.14	41.82	34.72	34.34	33.99
2160.0	42.15	41.04	40.44	35.53	35.25	35.15
2200.0	42.05	40.38	39.14	37.33	37.37	37.45
2230.0	42.71	40.23	38.91	40.14	40.93	41.30
2270.0	49.49	47.25	46.46	59.37	47.09	43.58
2300.0	60.12	58.74	56.85	47.46	43.80	42.12
2340.0	55.97	56.79	58.12	43.37	41.03	39.95
2370.0	53.06	52.88	53.58	42.52	39.89	38.84
2410.0	52.19	51.27	51.31	43.37	39.71	38.29
2440.0	51.26	50.29	50.13	42.84	39.28	37.79
2480.0	51.84	50.84	50.45	42.01	38.71	36.98
2510.0	52.66	51.40	50.92	41.75	38.46	36.76
2550.0	54.70	54.42	54.56	39.36	36.99	35.62
2580.0	58.83	59.60	60.65	38.58	36.33	34.96
2620.0	63.45	68.03	78.99	37.92	36.21	34.88
2650.0	57.67	58.91	60.14	37.72	36.55	35.55
2690.0	53.57	54.28	55.41	36.81	36.52	35.70
2720.0	49.90	50.49	51.25	35.38	34.76	34.33
2760.0	44.02	43.60	43.17	33.79	33.23	32.82
2790.0	40.44	39.78	39.16	32.73	32.24	31.88

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+14	+17	+20
1440.0	1350.0	20.20	19.43	20.23
1480.0	1390.0	21.81	21.25	21.15
1520.0	1430.0	21.17	19.88	20.45
1560.0	1470.0	19.74	19.48	21.18
1600.0	1510.0	20.09	20.94	21.77
1640.0	1550.0	21.60	25.06	28.61
1680.0	1590.0	26.10	29.79	31.73
1720.0	1630.0	33.23	35.07	34.42
1760.0	1670.0	39.99	35.94	34.06
1800.0	1710.0	35.74	33.39	31.52
1840.0	1750.0	39.37	37.58	36.41
1880.0	1790.0	42.46	42.45	41.74
1920.0	1830.0	43.03	43.60	43.67
1960.0	1870.0	41.76	44.61	46.67
2000.0	1910.0	37.55	40.38	42.90
2040.0	1950.0	34.01	36.20	37.81
2080.0	1990.0	31.21	32.84	33.88
2110.0	2020.0	29.25	30.52	31.43
2150.0	2060.0	27.51	28.46	29.27
2180.0	2090.0	26.56	27.34	28.00
2220.0	2130.0	25.48	25.91	26.47
2250.0	2160.0	25.00	25.22	25.42
2290.0	2200.0	24.49	24.68	24.81
2320.0	2230.0	23.89	24.11	24.22
2360.0	2270.0	22.23	22.17	22.35
2390.0	2300.0	21.20	21.44	21.93
2430.0	2340.0	20.66	21.18	21.84
2460.0	2370.0	20.48	21.10	21.90
2500.0	2410.0	20.37	20.65	21.45
2530.0	2440.0	20.39	20.60	21.37
2570.0	2480.0	20.82	20.80	21.44
2600.0	2510.0	21.49	21.12	21.64
2640.0	2550.0	22.06	21.73	22.40
2670.0	2580.0	22.62	22.47	23.13
2710.0	2620.0	23.78	23.68	24.62
2740.0	2650.0	24.30	24.68	26.03
2780.0	2690.0	25.56	26.24	28.04
2810.0	2720.0	27.80	29.14	31.92
2850.0	2760.0	34.81	39.15	41.90
2880.0	2790.0	32.42	34.16	34.18

Frequency Mixer

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Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=1820MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+14	+17	+20		+14	+17	+20		+14	+17	+20
1440.0	1350.0	3.59	2.90	2.36	1350.0	12.35	12.18	11.85	10.0	1.36	1.50	1.61
1480.0	1390.0	2.85	2.27	1.87	1390.0	17.05	17.05	16.72	50.0	1.41	1.57	1.67
1520.0	1430.0	2.51	1.97	1.61	1430.0	20.45	20.22	19.32	90.0	1.45	1.59	1.69
1560.0	1470.0	1.99	1.54	1.29	1470.0	22.58	22.29	21.20	130.0	1.56	1.69	1.79
1600.0	1510.0	1.72	1.36	1.15	1510.0	20.95	19.32	17.57	170.0	1.64	1.75	1.83
1640.0	1550.0	1.48	1.16	1.06	1550.0	19.32	18.70	17.75	210.0	1.78	1.87	1.96
1680.0	1590.0	1.23	1.01	1.16	1590.0	15.67	14.74	13.81	250.0	1.89	1.97	2.04
1720.0	1630.0	1.12	1.12	1.25	1630.0	12.01	11.31	10.62	290.0	2.04	2.10	2.17
1760.0	1670.0	1.15	1.28	1.41	1670.0	8.08	7.60	7.08	330.0	2.14	2.20	2.26
1800.0	1710.0	1.28	1.41	1.53	1710.0	4.91	4.56	4.19	370.0	2.24	2.28	2.33
1840.0	1750.0	1.45	1.60	1.72	1750.0	2.75	2.54	2.33	410.0	2.33	2.36	2.41
1880.0	1790.0	1.57	1.69	1.80	1790.0	1.81	1.77	1.78	450.0	2.37	2.39	2.44
1920.0	1830.0	1.64	1.74	1.83	1830.0	2.33	2.47	2.62	490.0	2.44	2.44	2.47
1960.0	1870.0	1.69	1.80	1.89	1870.0	3.79	4.03	4.29	530.0	2.50	2.49	2.52
2000.0	1910.0	1.73	1.82	1.90	1910.0	5.74	6.03	6.24	570.0	2.55	2.53	2.54
2040.0	1950.0	1.80	1.87	1.94	1950.0	7.97	8.31	8.51	610.0	2.57	2.55	2.56
2080.0	1990.0	1.86	1.93	1.99	1990.0	10.31	10.62	10.69	650.0	2.56	2.51	2.51
2110.0	2020.0	1.89	1.94	2.00	2020.0	11.61	11.69	11.31	690.0	2.57	2.52	2.51
2150.0	2060.0	1.97	2.01	2.07	2060.0	13.92	14.15	14.15	730.0	2.50	2.42	2.41
2180.0	2090.0	2.00	2.02	2.06	2090.0	15.00	14.87	14.38	770.0	2.48	2.39	2.36
2220.0	2130.0	2.07	2.04	2.07	2130.0	15.81	15.26	14.26	810.0	2.40	2.29	2.26
2250.0	2160.0	2.18	2.14	2.15	2160.0	16.72	16.41	15.81	850.0	2.36	2.24	2.19
2290.0	2200.0	2.32	2.22	2.20	2200.0	16.26	15.13	13.70	890.0	2.35	2.22	2.16
2320.0	2230.0	2.38	2.23	2.18	2230.0	15.96	14.87	13.49	930.0	2.28	2.14	2.07
2360.0	2270.0	2.36	2.20	2.19	2270.0	17.22	17.22	16.89	970.0	2.24	2.10	2.02
2390.0	2300.0	2.38	2.20	2.17	2300.0	18.30	17.57	15.96	1010.0	2.14	1.98	1.90
2430.0	2340.0	2.46	2.25	2.21	2340.0	20.95	19.98	18.30	1050.0	2.16	2.00	1.90
2460.0	2370.0	2.50	2.28	2.23	2370.0	22.58	21.73	20.45	1090.0	2.07	1.91	1.81
2500.0	2410.0	2.66	2.35	2.24	2410.0	21.73	19.76	16.72	1130.0	2.04	1.89	1.78
2530.0	2440.0	2.68	2.37	2.25	2440.0	22.87	21.73	19.54	1170.0	1.91	1.76	1.66
2570.0	2480.0	2.79	2.43	2.27	2480.0	23.18	21.73	19.76	1210.0	1.77	1.61	1.51
2600.0	2510.0	2.89	2.49	2.29	2510.0	20.95	18.90	15.67	1250.0	1.72	1.55	1.44
2640.0	2550.0	2.87	2.50	2.30	2550.0	22.87	21.73	19.98	1290.0	1.68	1.51	1.39
2670.0	2580.0	2.89	2.51	2.28	2580.0	22.29	20.70	18.30	1330.0	1.75	1.58	1.46
2710.0	2620.0	3.00	2.58	2.32	2620.0	20.70	18.50	15.67	1370.0	1.73	1.57	1.45
2740.0	2650.0	2.99	2.57	2.30	2650.0	21.46	20.22	18.50	1390.0	1.70	1.55	1.44
2780.0	2690.0	3.01	2.57	2.29	2690.0	19.76	17.93	15.39	1430.0	1.71	1.57	1.47
2810.0	2720.0	2.96	2.54	2.27	2720.0	19.11	17.39	14.87	1450.0	1.72	1.58	1.48
2850.0	2760.0	2.74	2.35	2.13	2760.0	18.90	17.75	16.26	1490.0	1.73	1.60	1.50
2880.0	2790.0	2.56	2.21	2.01	2790.0	17.22	15.67	13.60	1510.0	1.67	1.56	1.47

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	7	27	22	27	39	49	37	40	37	45
1	-	33	+0	38	18	37	28	44	53	39	61	61
2	55	59	61	81	66	67	68	82	71	72	70	72
3	>90	>85	79	>85	83	>85	77	>85	81	>85	>85	>85
4	>90	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85
5	>90	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85
6	>90	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85
7	>90	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85
8	>90	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85
9	>90	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85
10	>90	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

Test conditions: RF IN: 1880 MHz; 2.00 dBm.
 LO IN: 1790 MHz; +17.00 dBm
 IF OUT: 90 MHz; -5.3 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	17	37	31	37	48	56	48	51	49	52
1	-	33	+0	38	18	37	29	45	54	40	60	62
2	35	49	49	69	56	57	59	69	64	64	63	65
3	61	67	53	72	50	65	56	68	65	67	89	74
4	83	80	87	84	78	78	75	76	73	80	79	81
5	>90	>95	77	90	76	89	73	93	77	>95	81	90
6	>90	>95	>95	>95	>95	>95	>95	91	>95	93	>95	>95
7	>90	>95	91	>95	87	>95	86	>95	86	93	94	>95
8	>90	>95	>95	>95	>95	>95	>95	>95	>95	>95	>95	>95
9	>90	>95	>95	>95	>95	>95	>95	>95	94	>95	92	>95
10	>90	>95	>95	>95	>95	>95	>95	>95	>95	>95	>95	>95
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1880 MHz; 12.00 dBm.
 LO IN: 1790 MHz; +17.00 dBm
 IF OUT: 90 MHz; 4.54 dBm

- Notes: 1. All Harmonics are in (dBc) relative to IF OUTPUT.
 2. + entry denotes harmonics are in (dBc) above IF OUTPUT.
 3. RF Cal represent the Harmonics level of the RF input signal to the mixer.